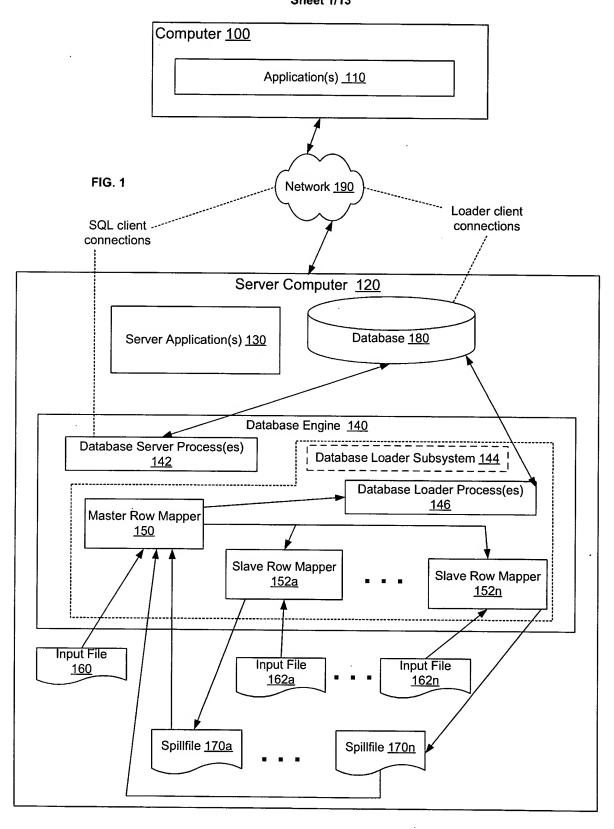
MECOD, SYSTEM, AND ARTICLE OF MANUFACURE FOR PARALLEL PROCESSING AND SERIAL LOADING OF HIERARCHICAL DATA Qi Jin et al. SVL920030042US1 Sheet 1/13



METHOD, SYSTEM, AND ARTICLE OF MANUFACTURE FOR PARALLEL PROCESSING AND SERIAL LOADING OF HIERARCHICAL DATA Qi Jin et al. SVL920030042US1 Sheet 2/13

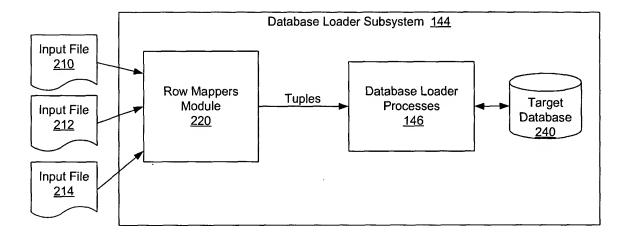


FIG. 2

METHOD, SYSTEM, AND ARTICLE OF MANUFACTURE FOR PARALLEL PROCESSING AND SERIAL LOADING OF HIERARCHICAL DATA Qi Jin et al. SVL920030042US1 Sheet 3/13

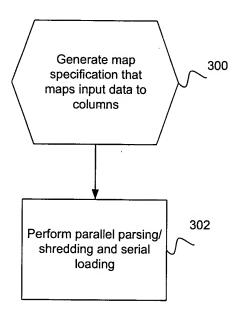
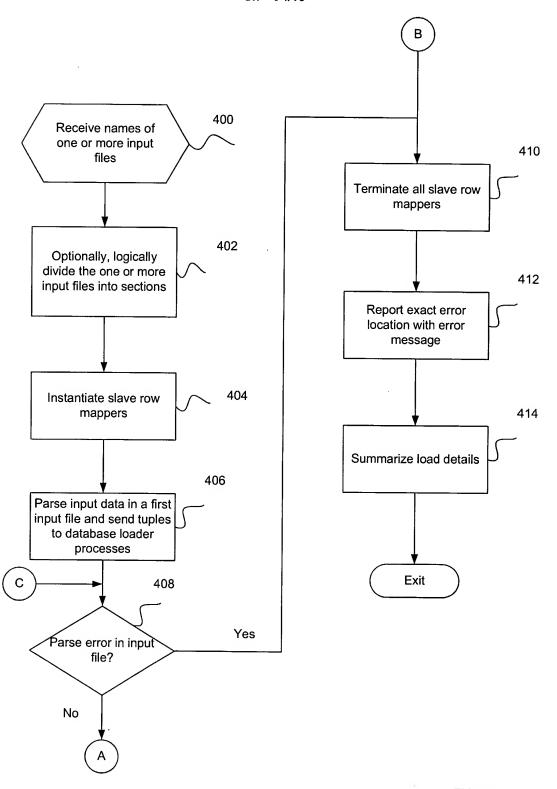
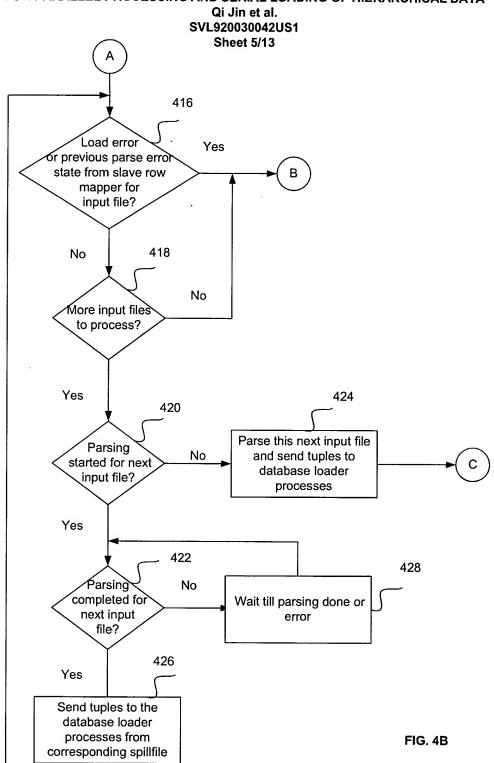


FIG. 3

METHOR SYSTEM, AND ARTICLE OF MANUFACTURE FOR PARALLEL PROCESSING AND SERIAL LOADING OF HIERARCHICAL DATA Qi Jin et al. SVL920030042US1 Sh t 4/13



METHOD, SYSTEM, AND ARTICLE OF MANUFACTURE FOR PARALLEL PROCESSING AND SERIAL LOADING OF HIERARCHICAL DATA



METOD, SYSTEM, AND ARTICLE OF MANUFACTRE FOR PARALLEL PROCESSING AND SERIAL LOADING OF HIERARCHICAL DATA Qi Jin et al.

SVL920030042US1 Sheet 6/13

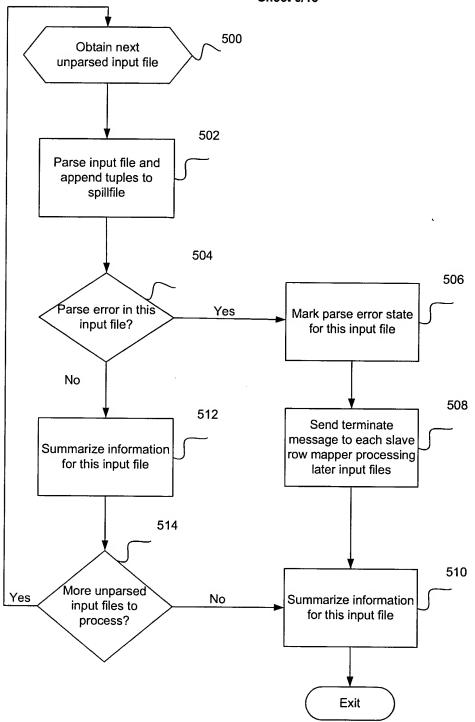


FIG. 5

METHOD, SYSTEM, AND ARTICLE OF MANUFACTURE FOR PARALLEL PROCESSING AND SERIAL LOADING OF HIERARCHICAL DATA Qi Jin et al. SVL920030042US1 Sheet 7/13

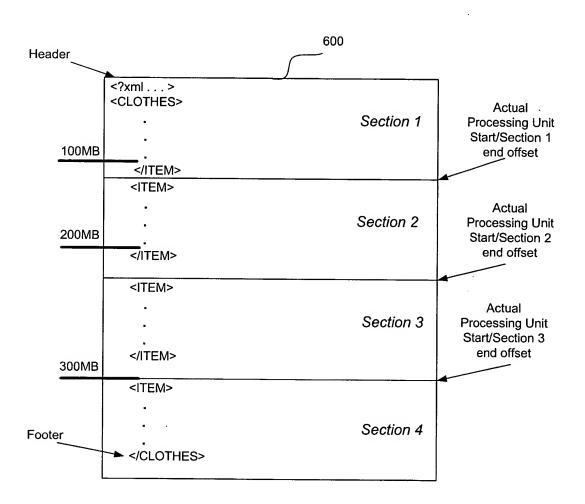


FIG. 6

MET D, SYSTEM, AND ARTICLE OF MANUFACTERE FOR PARALLEL PROCESSING AND SERIAL LOADING OF HIERARCHICAL DATA Qi Jin et al.

SVL920030042US1 Sh et 8/13

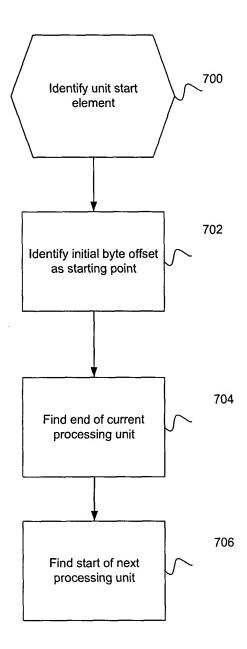
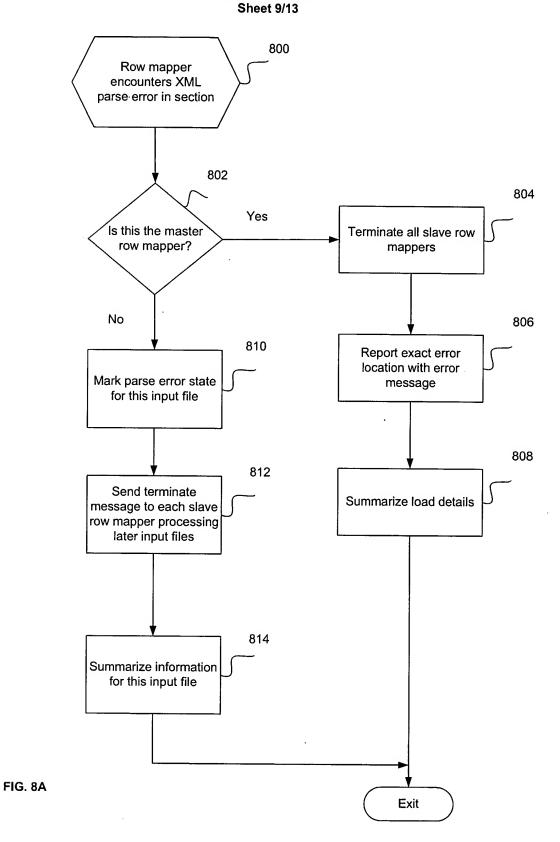
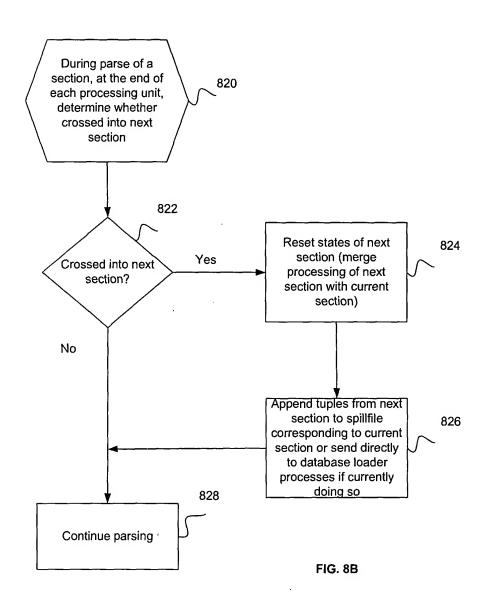


FIG. 7

MET D, SYSTEM, AND ARTICLE OF MANUFACTRE FOR PARALLEL PROCESSING AND SERIAL LOADING OF HIERARCHICAL DATA Qi Jin et al. SVL920030042US1

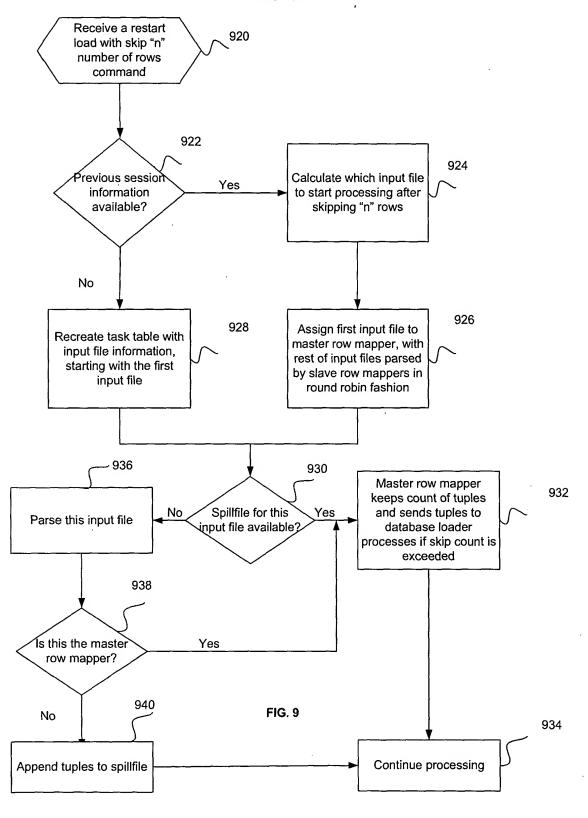


MET D, SYSTEM, AND ARTICLE OF MANUFACTRE FOR PARALLEL PROCESSING AND SERIAL LOADING OF HIERARCHICAL DATA Qi Jin et al. SVL920030042US1 Sh et 10/13



METHO SYSTEM, AND ARTICLE OF MANUFACTURE FOR PARALLEL PROCESSING AND SERIAL LOADING OF HIERARCHICAL DATA Qi Jin et al.

Qi Jin et al. SVL920030042US1 Sheet 11/13



METHOD, SYSTEM, AND ARTICLE OF MANUFACTURE FOR PARALLEL PROCESSING AND SERIAL LOADING OF HIERARCHICAL DATA

Qi Jin t al. SVL920030042US1 Sheet 12/13

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FIG. 10

MET D, SYSTEM, AND ARTICLE OF MANUFACTE FOR PARALLEL PROCESSING AND SERIAL LOADING OF HIERARCHICAL DATA Qi Jin et al. SVL920030042US1 Sheet 13/13

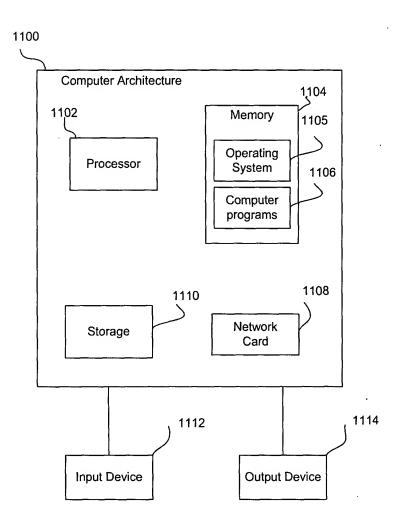


FIG. 11